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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,467	02/06/2004	Edwin Southern	2004-0200	1112
513	7590	12/21/2007		
WENDEROTH, LIND & PONACK, L.L.P.			EXAMINER	
2033 K STREET N. W.			SKIBINSKY, ANNA	
SUITE 800			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20006-1021			1631	
			MAIL DATE	DELIVERY MODE
			12/21/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Advisory Action  
Before the Filing of an Appeal Brief**

Application No.

10/772,467

Applicant(s)

SOUTHERN, EDWIN

Examiner

Anna Skibinsky

Art Unit

1631

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

THE REPLY FILED 20 November 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1.  The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

a)  The period for reply expires 3 months from the mailing date of the final rejection.  
b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2.  The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3.  The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a)  They raise new issues that would require further consideration and/or search (see NOTE below);  
(b)  They raise the issue of new matter (see NOTE below);  
(c)  They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d)  They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: see continuation sheet. (See 37 CFR 1.116 and 41.33(a)).

4.  The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
5.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7.  For purposes of appeal, the proposed amendment(s): a)  will not be entered, or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_.  
Claim(s) objected to: \_\_\_\_\_.  
Claim(s) rejected: 17-27, 86 and 87.  
Claim(s) withdrawn from consideration: 28-36, 88 and 89.

AFFIDAVIT OR OTHER EVIDENCE

8.  The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
9.  The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10.  The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11.  The request for reconsideration has been considered but does NOT place the application in condition for allowance because:

12.  Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_.  
13.  Other: see continuation sheet.

## Continuation of Item 3 NOTE:

The proposed amendments to claims 17, 28 and 86 would introduce the change of limiting the oligonucleotides to those with "known sequences" rather than "predetermined sequence". If entered the amended claims 17, 28 and 86 would require further consideration and search.

## Continuation of Item 11 NOTE:

The rejection in the previous Office action mailed 8/23/2007 is maintained for reasons of record. Claims 17-27, 86 and 87 are rejected under 35 USC 103(a) as being obvious over Stavrianopoulos et al. (P/N 4,994, 373) in view of Matkovich et al. (P/N 4,828,386).

Applicants argue that Matkovich does mention covalent binding but only in passing and only in regards to an antibody assay the use of which would not be obvious to one of skill in the art because the instant claims pertain to covalent binding of DNA oligonucleotides and not antibodies (Remarks, page 7, ¶5 to page 8, ¶3).

In response, Stavrianopoulos teaches DNA oligonucleotides on an array but does not teach covalent attachment of DNA oligonucleotides to a porous surface. Matkovich et al. does teach covalent binding of what is a macromolecular reactant (i.e. the antibody) to the porous reaction layer (col. 4 line 60 to col. 5 line 1), as claimed in the instant application. The Examiner maintains that it would be obvious to one of skill in the art to use the porous membrane as taught by Matkovich to covalently bind DNA oligonucleotides which are taught by Stavrianopoulos et al.

Anna Skibinsky, Ph.D.

/Lori A. Clow/  
Primary Patent Examiner  
12/19/07